

SPECIFICATION CONTROL DRAWING

55FB1431

TITLE

THREE CONDUCTOR CABLE, FILTER LINE, ELECTROLOSS™, 600 VOLT

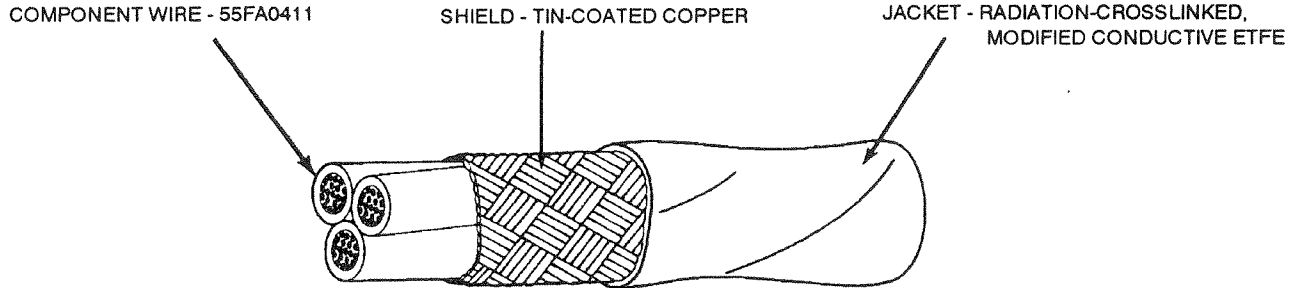
Date

6-25-92

Revision

G

This specification sheet forms a part of the latest issue of Raychem Specification 55F.



CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (inches)		OUTSIDE DIAMETER (inches)		MAXIMUM WEIGHT (lbs/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55FB1431-22-*	22	38	.006	.008	.167	.175	25.7
55FB1431-20-*	20	38	.006	.008	.184	.193	32.7
55FB1431-18-*	18	38	.006	.008	.206	.216	42.5
55FB1431-16-*	16	38	.006	.008	.219	.230	49.5
55FB1431-14-*	14	38	.007	.009	.251	.264	67.2
55FB1431-12-*	12	38	.007	.009	.309	.325	100.
55FB1431-10-*	10	38	.008	.010	.363	.381	145.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

ACCELERATED AGING (CROSSLINKING PROOF TEST):

300 ± 3°C for 7 hours

* BLOCKING: 200 ± 3°C for 6 hours

FLAMMABILITY: 3 seconds (maximum); 3 in. (maximum); no flaming of facial tissue

IDENTIFICATION AND COLOR STRIPING DURABILITY:

125 cycles (250 strokes) (minimum), 500 g weight

* IMMERSION: 5% (maximum) diameter increase,

no cracking of jacket

JACKET COLOR: Black

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 3500 lbf/in² (minimum)

JACKET FLAWS: Not Applicable

* LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours

SHIELD COVERAGE: 85% (minimum)

VOLTAGE WITHSTAND TEST (DIELECTRIC): Conductor

to conductor and shield, 1500 volts (rms), 60 Hz

VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):

Not Applicable

PART NUMBER:

The *** in the part numbers above shall be replaced by color code designators except that violet shall be light violet and the designator shall be 7L; with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

Example: AWG 20, light violet component wires;
black jacket: 55FB1421-20-7L/7L/7L-0

NOTE: Nominal values are for information only.
Nominal values are not requirements.

* Qualification Test

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

Raychem

Raychem Corporation
300 Constitution Drive, Menlo Park, California 94025
415) 361 3333 TWX 910 373 1728

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[666515-001](#)